9304 ---- 9407

Red Quille

Writing paper®

NOTES

No. 429

Name_____

_____ **Grade**

Vol. 575

$5.00 REWARD

for return to

Dr. Arthur Cronquist
New York Botanical Garden
Bronx Park
New York 58, N.Y.

3726

9304 – June 17, 1961. Cronquist + Noel Holmgren Open, rocky, granitic slopes toward the head of the left fork of Bull Creek; Henry Mts., about 23 miles south of Hanksville, Garfield Co., Utah. Twp. 31S., R. 10E. Elevation about 9500 ft. Flowers white, with a purple spot on the keel.

~~Astragalus~~
Oxytropis sericea Nutt.

det. R. C. Barneby

Oxytropis (12)

9305 - June 17, 1961 Cronquist
+ Noel Holmgren With
scattered Douglas fir on
saddle between Bull Creek and
Crescent Creek, granite and
sandstone rock; Henry
Mts. about 25 miles south
of Hanksville, Garfield Co.,
Utah. Twp. 31S., R. 10E.
Elevation about 10,000 feet.
Flowers white.

Arenaria hirsii (Wats.) Jones
ssp. plateauensis Maguire

0.575

Arenaria (10)

9306- June 18, 1961- Cronquist + Noel Holmgren. Rocky, granitic south slope on Mt. Ellen, just under the summit; Henry Mts., 20 miles south of Hanksville, Garfield Co., Utah. Twp. 31S, R. 10E. Elevation 11,500 feet. Stems prostrate or nearly so; flowers yellow. Common for some distance southwards along the crest of the mountains.

Potentilla saximontana Rydb.

Potentilla (9)

9307 - June 18, 1961 - Cronquist + Noel Holmgren. Gravelly (shaly) west slope of the summit ridge, a little south of Mt. Ellen; Henry Mts., 20 miles south of Hanksville, Garfield Co., Utah. Twp. 31S., R. 10 E., S. 16. Elevation about 11,000 feet. Plants forming dense mats. Flowers purplish. Fairly common for some distance along the crest of the mountains.

Trifolium dasyphyllum Torr.

Trifolium (6)

9308 — June 18, 1961.
Cronquist + Noel Holmgren
With aspen and fir in a little
swale not far below the
crest of the mountains, several
miles southeast of Mt. Ellen,
Henry Mts., 25 miles south
of Hanksville, Garfield Co.,
Utah. T. 29 S., R. 10 E.
Elevation about 10,000 feet.
Low, sprawling shrub about
0.5 m. tall. Perianth dull
reddish-purple toward the
center, paler and nondescript
toward the margins

Ribes montigenum McClatchie

3268

Ribes (5) ✓

Cronquist & Noel Holmgren

9309 - June 19, 1961 - In mixed aspen - oakbrush woodland along small draw on the east slope of the Henry mts., between Mt. Ellen and Mt. Pennell, 29 miles south of Hanksville, Garfield Co., Utah. Elevation about 8500 feet. Perianth white, tinged with lavender. Leaves 2-4, flat.

Allium geyeri S. Wats.
Dupl. det. Marian Ownbey

Allium (9)

9310 - June 19, 1961 - Open, gravelly (shaly) ridge tops on the east slope of the Henry Mts, between Mt. Ellen and Mt. Pennell, 30 miles south of Hanksville, Garfield Co., Utah. Elevation about 9000 feet

Cronquist & Noel Holmgren

Flowers orange-red.

Sphaeralcea coccinea (Pursh) Rydb.

~~Sphaeralcea~~ (15)

9311- June 20 1961 - Cronquist & Nol. Holmgren - With scattered sagebrush and pinon pine on rocky granitic ridge tops leading to The Horn from the south, just north of Mt. Pennell, Henry Mts., about 40 miles south of Hanksville, Garfield Co, Utah. Twp. 32S., R. 10 E., Sec. 27. Elevation about 9000 feet.

Lomatium nevadense (Wats.)
Coult. & Rose

Lomatium (2)

9312 - June 20. 1901. Cronquist + Noel Holmgren. Same place as 9311. Flowers yellow. ~~Steep slope in Red Canyon, on the northside of Mt. Pennell; Henry Mts. 40 miles south of Hanksville, Garfield Co. Utah. Twp. 32 S. R. 10 E., Sec. 25. Elevation 6500~~

Lesquerella wardii Wats.

wardii

Lesquerella (8)

9313. June 20, 1961 - Incorporated & Neal Holmgren Shad [illegible] in Black Canyon, on the north side of Mt. Pennell; [illegible] Mts., 40 miles south of Hanksville, Garfield Co., Utah. Twp. 32 S., R. 10 E., S. 26. Elevation about 7800 feet. Petalonite.

Heuchera parvifolia Nutt. var. flavescens (Rydb.) R. B. L.

Heuchera (5)

9314- June 20, 1961. In brushy and semi-open places near the stream in Black Canyon, on the north side of Mt. Pennell; Henry mts., 40 miles south of Hanksville, Garfield Co., Utah. Twp. 32S., R. 10E., S. 26. Elevation about 7800 feet. Shrub about 1-1.5 m. tall.

Ribes leptanthum Gray

Ribes (3)

9315. June 20, 1911 Cronquist & Noel Holmgren – On Juniperus osteosperma in piñon juniper woodland, on sloping benchland, east of Mt. Pennell; Henry Mts., south of Hanksville, Garfield Co., Utah

Phoradendron juniperinum Engelm.

ancillata

7

9316 - June 20, 1961, Crosquist & Noll numbers. Very sandy soil in North Wash, near the upper end, about 30 miles south of Hanksville, Garfield Co., Utah. T. 29 S., R. 12 E., S. S. 14. Elevation 4500 feet. Corolla papery-white

Heliotropium convolvulaceum (Nutt.) Gray

white annual (31)

9317 - June 13, 1961 - Cronquist & Noel Holmgren. Along the south side of the Colorado River, at the bases of the cliffs, fairly well above the water; just below the mouth of North Wash, about 5 miles north of Hite and nearly 50 miles south of Hanksville. Garfield Co., Utah. Twp. 34S., R. 14E. Elevation 3500 feet. Heads purplish. Shrub 1-2 m. tall.

Pluchea sericea (Nutt.) Coville

Branches? 1-2 m.

(6)

9313. June 20, 1911. Coquint
& Nels Holmgren. Along
the banks of the Colorado
River, a mile above Hite,
and about 50 miles south
of Hanksville, Garfield Co, Utah.
Twp. 34S., R. 13E., S. 25.
Elevation 3500 feet. Shrub
about 3 m. tall; flowers
whitish. No staminate plants
seen.

Baccharis glutinosa Pers.

3567

Baccharis - 3m (3)

9319 - June 21, 1961 Cronquist & Marchington

Sandy soil in North Wash, a mile above the Colorado River, about 45 miles south of Hanksville, Garfield Co., Utah. Twp. 34 S., R. 13 or 14 E. Elevation 3600 feet. Herbage glaucous. Flowers mostly 6, pink.

Stephanomeria exigua Nutt.

Stephanomeria (1)

9330 - June 21, 1961 - Cronquist + Neil Holmgren. Very sandy soil in North Wash, a mile above the Colorado River, about 45 miles south of ~~Hite~~ Hanksville, Garfield Co., Utah. Twp. 34S., R. 13 or 14E. Elevation 3600 feet

Euphorbia parryi Engelm.

Euphorbia 30

9321. June 21, 1961 - Cronquist + Holmgren. - Sandy, gravelly soil along roadside 22 miles south of Henrieville, Garfield Co., Utah. Twp. 31 S., R. 12 E., S. 19. Elevation 5100 feet.
(in the desert)

A single colony, perhaps a single clone, the plants apparently spreading by creeping roots. Heads yellow, without 8 rays, these now mostly post-mature. Leaves gray - pruinose.

Bahia. Apparently an undescribed species related to B. medicaulis

Bahia

9322 - June 22. 1961 -
Cronquist & Noel Holmgren
With Triglochin in wet,
highly alkaline swales along
the highway 2 miles south
of Castle Dale, Emery Co.,
Utah. Twp. 19S., R. 8E.
Herbage strongly glaucous;
flowers yellow.
Elevation about 5700 feet.

Crepis runcinata (James) T. & G.
ssp. glauca (Nutt.) Babc. & Stebb.

Crepis runcinata (5)

9323. June 22, 1961 Inquist
& Noel Holmgren with
Little Sagebrush on open
rocky slope overlooking
Paradise Valley, just below
Hogan Pass, 31 miles south
of Emery, Twp. 25 or 26 S., R. 4 E.
Elevation 8000 feet. Flowers
white with a purple spot on
the keel.
Sevier Co., Utah

Astragalus Drummondii Dougl.

Det. R. C. Barneby

(14)

P324 - June 22, 1961. Corolla
[illegible] Yellow-green. Same plant
as P323. Flowers dark blue.

Penstemon watsonii Gray

✓ 21

Penstemon [illegible] n 297 [illegible]

9325 - June 22, 1961 - Crouquet & Hall [illegible] Lone [illegible]

9325. Flowers brownish green. Single-stemmed perennial.

Eriogonum alatum Torr.

Eriogonum

(6)

#3326. June 22, 1961. Jonquiet
L. W. Talmgren. ~~[illegible]~~
~~[illegible]~~ Open, rocky slope
between aspen groves on
Thousand Lake Mountain at
Silkhorn Ranger Station, 15
miles east of Fremont, Wayne
Co., Utah. Twp. 27S., R. 4E., S. 15.
Elevation 9900 feet. Abundant.
Herb yellow, occasionally
becoming somewhat reddish-
brown in age. Growing with
and much less abundant E. pumilus
var. condensatus (#9327), and looking
very much like it except for the
absence of caps. No intermediates seen.

Erigeron aphanactis (Gray) Greene
var. congestus (Greene) Cronq. (16)

Erigeron aphanactis

Erigeron asphaltanus

9327 - June 22, 1961. Same place as 9326. Rays white or nearly so. Sparsely scattered among the much more abundant plants of E. asphaltanus var. congestus (#9326), and looking very much like them except for the presence of rays. No intermediates seen.

Erigeron pumilus Nutt. ssp. concinnoides Cronq. var. condensatus (Eat.) Cronq.

✓

Erigeron pumilus

3325 – June 22, 1961. Tranquist & Noel Holmgren. Same place as 3326. Heads yellow, with 7-12 rays.

Senecio multilobatus T. & G.

3971

Senecio multilobatus

Senecio multilobatus

9327. June 23, 1961. Cronquist & Noel Holmgren. Same place as 9326. Rays 33-72, white to blue-lavender.

Erigeron eatoni Gray
var. eatoni

Erigeron eatoni (19)

9326 - June 23, 1961
Gr. Point & Noel Holmgren
Same place as 9326. Growing
with A. rosea (#9331) but remaining
distinct. Both species with
white-bracted and pink-bracted
forms here. No staminate plants
seen.

Antennaria parvifolia Nutt.

Antennaria parvifolia (14) ✓

9331- June 23, 1961- Cronquist + Noel Holmgren. Same place as 9326. Growing with A. pennifolia (#9330), but remaining distinct. Both species with white-bracted and pink-bracted forms here. No staminate plants seen.

Antennaria rosea Greene

Antennaria rosea (14)

9332 June 23, 1961. Cronquist & Roll No. in gen herb same place as 9326. Flowers white.

Oxytropis viscida Nutt.

det. R. C. Barneby

Oxytropis (9)

9333 - June 23, 1961
Cronquist & Noel Holmgren

Same place as 9326. Petals white or nearly so, with some reddish lines.

Geranium fremontii Torr.

Geranium (7)

9334 - June 23, 1961
Crosquist & Mel Holmgren
Tops of rocky knolls,
between aspen groves.
etc. as in 9326. Elevation
10,000 feet. Bracts
vermilion to scarlet

Castilleja linariaefolia Benth.
Dupl. det. Marion Ownbey

Castilleja (11) ✓

9335 - June 23, 1961.
Cronquist & Noel Holmgren.
Rays blue-lavender.
Same as 9326

Erigeron caespitosus Nutt.

Erig. caespitosus (1)

9336 - Crongquist & Noel Holmgren - June 23, 1961. Same place as 9326. No staminate plants seen.

Antennaria rosulata Rydb.

Antennaria rosulata (3)

9337 - June 23, 1961
Cronquist & Noel Holmgren
Same place as 9326.
Elevation 10,000 feet.
Herbage glaucous, Petals
lavender.

Arabis divaricarpa A. Nels.

Tall Arabis 14

9338 - June 23, 1961
Cronquist + Noel Holmgren
Same place as 9326. Elevation
10,000 feet.

Arabis pendulina Greene

low Arabis (4)

9339 - June 23, 1961
Cronquist + Noel Holmgren

Same place as 9326. Elevation 10,000 feet. Herbage glaucous; petals pale lavender, almost white.

Arabis drummondii Gray

not arabis (1)

9340 - June 23, 1961.
Crosquist & Noel Holmgren.
Edge of water along small stream a little below Deep Creek Lake; Thousand Lake Mountain, 13 miles east of Fremont, Wayne Co., Utah. Twp. 27 S., R. 4 E., S. 27. Elevation 10,500 feet. Flowers pinkish.

~~Epilobium hornemannii~~
~~Reichb.~~

Epilobium alpinum L.
var. nutans (Hornem.) Hook.
(= E. hornemannii)

Epilobium (10)

9341 June 23, 1961 - Cronquist & Noel Holmgren. Moist, boulder-strewn meadow around small pond half a mile north of Deep Creek Lake; Thousand Lake Mountain, 18 miles east of Fremont, Wayne Co., Utah. Twp. 27S., R. 4E., S 22. Elevation 10,500 feet. Flowers white.

Saxifraga rhomboidea Greene

Saxifraga (15)

No. 2 - June 23, 1961. Cronquist & Jack Holmgren. In the spruce - aspen woods near Deep Creek Lake; Thousand Lake Mountain, 18 miles east of Fremont, Wayne Co., Utah. Twp. 27 S., R. 4 E., S. 27. Elevation 10,500 feet. Shrub 5-10 dm. tall; flowers white.

Sambucus racemosa L.
var. microbotrys (Rydb.)
Kearney & Peebles

Sambucus racemosa (10)

9343 - June 23, 1961 - Cronquist & Noel Holmgren. Vernally moist spots in blue spruce woods near Deep Creek Lake; Thousand Lake Mountain, 18 miles east of Fremont, Wayne Co., Utah. Twp. 27 S., R. 4 E., S. 27. Elevation 10,500 feet. Flowers yellow.

Draba stenoloba Sedeb.
var. nana (Schulz) C.L. Hitchc.

Draba (11)

93 - June 24, 1961 - Crenquist & Noel Hedrogen. Amongst jumbled volcanic boulders below cliff on east side of Thousand Lake Mountain, 18 miles east of Fremont, Wayne Co., Utah. Twp. 27S., R. 4E., S. 22. Elevation 10700 feet.

Woodsia scopulina D. C. Eat.

Woodsia (7)

9345. June 24, 1961 - Evangeline Noel Holmgren - Openings in blue spruce forest on the flat top of Thousand Lake Mountain east of Fremont, Wayne Co., Utah. Twp. 27S., R. 4E., S. 21. Elevation 11,100 feet. Plants mildly mephitic. Stems mostly solitary or 2 or 3 together, seldom more clustered. Flowers blue.

Polemonium viscosum Nutt.

Polemonium viscosum (10)

9346 - June 24, 1941
Evergreen + Red Helmgren
Dry meadow in blue spruce
woods on the flat top of
Thousand Lake Mountain,
east of Fremont, Wayne Co.,
Utah. Twp. 27S., R. 4E., S. 21.
Elevation 11,100 feet. Growing
with P. diversifolia var. glaucophylla
~~P. perdissecta Rydb.~~
(#9347) and apparently
intergrading to some extent
with it, but the leaves more
pinnate than in the latter
and not glaucous.

~~Potentilla perdissecta Rydb.~~
~~Potentilla perdissecta Rydb.~~
Potentilla diversifolia Lehm.
var. perdissecta (Rydb.) C. L. Hitchc.
Potentilla diversifolia (10)

9347 - June 24, 1961 - Cronquist & Noel Holmgren - Same place as 9346.

~~P. perdissecta~~ ~~P. diversifolia~~ ~~P. diversifolia var. diversifolia~~ (#9346), growing with ~~P. diversifolia var. diversifolia~~ and apparently intergrading to some extent with it, but the leaves glaucous and more palmate than in the latter.

P. diversifolia var. perdissecta

~~Potentilla perdissecta Rydb.~~

Potentilla diversifolia Lehm. var. glaucophylla Lehm.

(8)

Potentilla d. var. glaucophylla

9345 - June 3-4, 1[illegible]
Cronquist & Wolf Holmgren
Same place as 9346. Petals white or pinkish, often with some more definitely pink lines

mostly 6 or 7, occasionally 5 or 8,

Lewisia pygmaea (Gray) Robinson

Lewisia (6)

9345 - June 24, 1961 - Cronquist & Noel Holmgren - same place as 9346. Plants at least sometimes taproots, but also spreading freely below ground and becoming colonial, the individual clumps rather small, + flowers white or sometimes very faintly tinged with lavender.

Phlox pulvinata (Wherry) Cronq.
(= P. caespitosa, misapplied)

Phlox (10)

93 [illegible] June 24, 1901 Crangnest
& [illegible] - Same place
[illegible] 9346. Plants tufted,
without creeping rhizomes.

Carex elynoides Holm

(8)

7351 June 24, 1961 Crampton & Noel Holmgren. openings in blue spruce forest on the flat top of Thousand Lake Mountain, east of Fremont, Wayne Co., Utah. Twp. 27 S., R. 4 E., S. 21. Elevation 11,100 feet. Flowers yellow.

Potentilla concinna Lehm.

var. concinna

(9)

9352 June 2, 1961
Crampnut & Noll Holmgren
Same place as 9351.
Flowers (now postmature)
apparently blue.

Leptopyrum laciniata Gray

Leptopyrum (2)

9353 - June 24, 1961 Cronquist & Noel Holmgren. Openings in blue spruce woods (especially in pebbly volcanic scoria) on the flat tops of Thousand Lake Mountain, east of Fremont, Wayne Co., Utah. Twp. 27 S., R. 4 E., S 21. Flowers whitish. Leaves white)-margined. Elevation 11,100 ft.

Valeriana edulis Nutt.
var. edulis

Valeriana aff. edulis (10)

9354. June 24, 1961. Benquist & Goodrich-Mingren. In pebbly volcanic scoria in openings in blue spruce woods on the flat tops of Thousand Lake Mountain, east of Fremont, Wayne Co., Utah. T. up. 27 S., R. 4 E., S. 21 or 28. Elevation 11,100 feet. Plants just beginning to bloom. Flowers blue.

Penstemon procerus Dougl. var. aberrans (Jones) A. Nels.

Penstemon ats procerus (4) ✓

9355 - June 24, 1941. Cronquist & Noel Holmgren. Openings in blue spruce forest on the flattop of Thousand Lake Mountain, East of Fremont, Wayne Co., Utah. Twp. 27 S., R. 4 E., S. 21. Elevation 11,100 feet. Only a few plants seen. Flowers yellow.

Geum rossii (R. Br.) Ser.
var. turbinatum (Rydb.)
C. L. Hitchc.

Geum ①

9356 - June 25, 1961 - Cronquist & Noel Holmgren. Under scattered ponderosa pines on the northeast slope of the Aquarius Plateau, 16 miles southeast of Torrey, just north of the Garfield Co. line, Wayne Co., Utah. Twp. 30 S., R. 5 E., S. 25. Elevation 8600 feet. Low, spreading shrub rising only 1 or 2 dm. above the ground. Flowers white or faintly purplish

Ceanothus fendleri Gray

Ceanothus (16)

9351. June 25, 1961. Crouquist & Noel Holmgren. Lone Pine Creek

9356. Stems clustered in a woody taproot and branches candelabra. Flowers bright yellow. Basal leaf sheaths persisting a bright red days.

Lithospermum multiflorum
Torrey

Lithospermum (18)

9358. June 25, 1961 Evangeline L. Noell Holmgren. Aspen grove on the northeast slope of the Aquarius Plateau, 16 miles southeast of Torrey, just north of the Garfield Co. line, Wayne Co., Utah. Twp. 30 S., R. 5 E., S. 35. Elevation 8600 feet. Stems clustered on a woody taproot and branched caudex, varying to solitary. Flowers blue-lavender, the banner with a central white spot.

Lupinus sericeus Pursh

lupine (12) ✓

9359. June 25, 1961. Conquist & Noel Holmgren. Same place as 9358. Lip spotted, purple on white.

Lycoperdon [illegible] Kalb.

(3)

9360 June 25, 1961 [illegible]
openings in aspen on small ridge
along Wildcat Creek, half a
mile above the Wildcat Ranger
Station; east side of the Aquarius
Plateau, 20 miles south of
Torrey, Garfield Co., Utah.
Twp. 31S. R. 5E. Elevation
8800 feet.

Carex obtusata Lilj.
Apparently new to Utah.

Carex

9361 - June 25, 1931 - Cronquist & Neal Holmgren - Open places in the ponderosa pine zone near Pleasant Creek; east slope of the Aquarius Plateau, 21 miles south of Torrey, Garfield Co., Utah. Twp. 31 S., R. 5 E. Elevation 8600 feet. Herbage poisonous. Cyathia somewhat orange.

Euphorbia lurida Engelm.

Euphorbia (35)

9362 - June 25, 1961
Cronquist + Noel Holmgren
Same place as 9361

Carex praegracilis W. Boott

4323

9363 June 25, 1961 - Crangquist & Noel Holmgren. With scattered ponderosa pine on northeast slope of Aquarius Plateau, [illegible] miles southeast of Torrey, Wayne Co., Utah. Twp. 30S., R. 5E., S. 27. Elevation [illegible] feet. Herbage strongly glaucous. Flowers blue.

Penstemon pachyphyllus Gray, sens. lat.

Penstemon (4)

9364 - June 25, 1961
Same place as 9363. Flowers
yellow

Hymenopappus filifolius Hook.
var. cinereus (Rydb.) Johnst.

Hymenopappus

9865 – June 25, 1961. Same place as 9362.

Cryptantha capitata (Eastw.) Johnst.

A wide-leaved, perhaps varietally distinct phase.

Cryptantha (5)

9366 June 25, 1901
Cronquist & Neil Holmgren.
Same place as 9363. Stems
rather widely ascending,
clustered and stout taproot
and branching caudex. Flowers
white.

Astragalus tenellus Pursh

det. R. C. Barneby

Large Astragalus (4) ✓

9367 – June 15, 1941. ~~Same~~ Conquist & Noel Holmgren. Same place as 5363.

Astragalus castaneiformis var. consobrinus Barneby

det. R. C Barneby

4348

Astragalus (1) ✓

9368. June 27, 1961
Coll. Neil Holmgren.
Moist sandy soil along small
stream in wash just below Kane
Springs, about 15 miles
south of Moab, San Juan Co,
Utah. Twp. 28 S, R. 22 E, SLM.
Elevation 5000 feet.
Herbage somewhat glaucous.
Flowers lavender-pink.

Centaurium exaltatum (Griseb.)
Wight

Epilobium (4) ✓

9369 - June 27, 1961 Cronquist
& Noel Holmgren
Same place as 9368.

Scirpus nevadensis Wats.

1

(10)

1370 - June 27, 1961 - Cronquist & Neal Holmgren
Wet soil along small stream in wash just below Lake Springs, about 15 miles south of Moab, San Juan Co., Utah. Twp. 28 S. R. 22 E., S. 1.
Elevation 5000 feet
Stems rounded triangular.
Leaves deeply channeled on the upper side.

Scirpus americanus Pers.

small? tussock (11)

9371 - June 27, 1961 - Crosquist & Noel Holmgren. Same place as 9370.

Juncus articulatus L.
dupl. det. by F. J. Hermann

Juncus (13)

1372 - June 27, 1961 Crosquist & Noel Holmgren. Sandy soil in Arch Canyon, a little above where it opens into Comb Wash, 18 miles southwest of Blanding, San Juan Co., Utah. Twp. 37 S., R. 20 E., S 25. Elevation 5000 feet. Flowers white. Stems clustered on a taproot and branched caudex.

Cryptantha pustulosa
(Rydb.) Payson.

winter forage (7)

1373 - June 27, 1961 Crosquist & Noel Holmgren sandy soil in Arch Canyon, a little above where it opens into Comb Wash, 18 miles southwest of Blanding. San Juan Co., Utah. T. up. 37S. R. 20E. S. 23. Elevation 5100 feet. Herbage glaucous, heavy yellow.

Thelesperma megapotamicum (Spreng.) Kuntze

Coreopsis (14)

9374 - June 27, 1961
Cronquist + Noel Holmgren
Same place as 9373.

Galium coloradoense Wight

Talinum multiflorum (5)

9375 - June 27, 1961 -
Cronquist + Noel Holmgren

Same place as 9373. Herbage
slightly glaucous; flowers yellow.

Linum aristatum Engelm.

Linum ~~(5)~~ (2)

9376 - June 27, 1961
Cronquist & Noel Holmgren
Same place as 9373. Stems solitary
or few together. Heads
narrow, ~~pink to~~ reddish-purple.

Cirsium pulchellum (Greene)
Wost. & Standl.

✓

4, incl. 1 sheet 1,
1 sheet 2

thistle

?377 - June 27, 1961, Crouquist + Neel Holmgren

Same place as 9373

Shrub about 2 m. tall

Rhamnus betulaefolia Greene

25

?

a

9378 - June 28, 1961 Cronquist & Noel Holmgren. With scattered junipers in sandy soil on bench overlooking Comb Wash, at the foot of Comb Ridge, opposite Arch Canyon, 18 miles southwest of Blanding, San Juan Co., Utah. Elevation 5000 feet.
Twp. 37 S., R. 20 E., S. 25. ~~Utah~~
Flowers pale blue lavender

~~Eriastrum eremicum (Jeps.) Mason~~

Gilia pumila Nutt.

✓

Triastrum (?)
9379 - June 28, 1961 Cronquist & Noel Holmgren - sandy soil in Arch Canyon, where it opens into Comb Wash, 18 miles southwest of Blanding, San Juan Co., Utah. Twp. 37 S., R. 20 E., S. 25. Elevation 5000 feet. Stems clustered on a taproot and branching caudex. Leaves slightly glaucous; flowers bright red.

Penstemon bridgesii Gray

red Penstemon (8)

138 - June 28, 1961 - Cronquist & Noel Holmgren Sandy soil along the roadside 2½ Miles west of Frye Canyon, and about 60 miles west of Blanding, San Juan Co., Utah, About Twp. 36S. Semi shrub 4-8 dm. tall. Heads yellow, with about 8 rays (and R. 16E.)

Senecio longilobus Benth.

Senecio longilobus var. mentosus

7

Senecio longilobus var. monardus (7)

9381 - June 28, 1961 Frank Frost & Noel Holmgren - sandy soil in piñon-juniper woodland about 5 miles southwest of the Bear's Ears, and about 25 airline miles west of Blanding, San Juan Co., Utah. Twp. 37 S., R. 18 E., sect. 5-3. Elevation about 6900 feet. Herbage glaucous. Corolla pale bluish, nearly white toward the base. Anthers evidently hairy.

Penstemon comarrhenus Gray

Penstemon (1)

9382 - June 28, 1961 - Cronquist
& Noel Holmgren - Lamsdale
as 9381 - leaves glaucous, not glaucous.

Cymopterus purpureus
Wats.

Cymopterus (2)

Cymopterus (2)

T 383 - June 29, 1961 - Frequent
& Noel Holmgren - In dry
catch-basin behind small dam
across a small drainage channel
on the ridge-tops at Maverick
Point, about 5 miles southwest
of the Bear's Ears, and about 25
airline miles west of Blanding,
San Juan Co., Utah.
~~Approximately~~ T 36 S., R. 18 E.,
S. 34. Elevation 7,500 feet.
Flowers white

Nicotiana attenuata Torr.

Nicotiana (13)

9384 - June 29, 1961 - Cronquist + Noel Holmgren. Meadow like north slope just north of the larger of the two Bears Ears, about 21 airline miles west of Blanding, San Juan Co., Utah. T. 36 S., R. 19 E., about S. 30. Elevation 8400 feet. Stems mostly solitary, occasionally 2 or 3. Flowers blue.

Penstemon strictus Buth.

P. [illegible]

P Gustafson (12)
9385 - June 29, 1961 - Crongquist
& Noll/Holmgren - Same place
as 9384. Herbage glaucous.
Flowers white.

Arenaria congesta Nutt.
var. congesta

Arenaria ~~(7)~~ (13)

9382 - June 29, 1961
Bequest to Noel Holmgren
same place as 9384.
Flowers yellow.

Pseudocymopterus
montanus (Gray) Coult. & Rose

yellow rembel (13)

9387. June 29, 1961. Cronquist & Noel Holmgren. In mixed open woods of ponderosa pine, aspen, and scrub oak, on top of Elk Ridge, at the head of Arch Canyon, about 20 airline miles west of Blanding, San Juan Co., Utah. Twp. 36 S., R. 19 E. Elevation 8,500 feet. Shrubs 4-12 dm. tall. Flowers light pink to deep pink, usually rather small, as in R. manca, but occasionally larger, as in R. nutkana. Leaves pale beneath, varying from singly and non-glandularly toothed to occasionally doubly toothed with the teeth gland-tipped.

Hybrid swarm: Rosa manca Greene x R. nutkana var. hispida Fern.

Rosa manca (?)

9388 - June 29, 1961 Tranquil & Moll Holmgren. Same plant as 9387. Stems clustered on a stout, woody taproot and branching caudex, Flowers ~~blue~~ blue.

Very occasionally solitary

Plants mildly aromatic

Polemonium foliosissimum
Gray

✓

(17)

Polemonium. (12)

9389 - June 30, 1961 Cronquist & Noel Holmgren In oak brush on slope at east foot of Abajo Mts., 5 miles west of Monticello, San Juan Co., Utah. Twp. 33 S., R. 23 E., S. 31. Elevation 8400 feet. Plants mildly mephitic. Stems 1 - several on a taproot which may be surmounted by a branching caudex. Corolla blue.

Polemonium foliosissimum Gray

Polemonium (19)

9390 - June 30, 1961 T
Crengquist & Noel Holmgren
Small opening in oak brush
forest at the east base of the
Abajo Mts., 5 miles west of
Monticello. San Juan Co., Utah.
Twp. 33 S., R. 23 E., S. 31. Elevation
8400 feet. Flowers yellow.

Potentilla pulcherrima Lehm.

Potentilla
9391 - June 30, 1961 - Crosquist
& Noel Holmgren same place as
9389. F banners pink-purple.

Vicia americana Muhl.

Vicia (7)

9392 - June 30, 1961
Crongquist + Holmgren.
Same place as 9390.

Carex applicata Mack.

Carex (9) ✓ v

Lanes (9)

9373 - June 30, 1961. Crongquist & Noel Holmgren. Same place as 9289. Flamingshed.

Lathyrus leucanthus Rydb.

Lathyrus (4)

93 Y. June 30 1901
Crangnint & Neil Holmgren
Lami place no 9389. Plants
forming large dense tufts

Festuca thurberi Vasey

4522

Melica (13)

9395 - July 1, 1941 Cronquist & Noel Holmgren. Grows in woods on northeast-facing slope above North Creek Pass; Abajo Mts. 9 miles west of Monticello, San Juan Co., Utah. Twp. 34 S., R. 22 E., about S. 2. Elevation 10,500 feet. Plants mildly rhizomatic, becoming colonial by creeping rhizomes. Flowers light blue.

Polemonium pulcherrimum Hook. var. delicatum (Rydb.) Cronq.

Polemonium (11)

9396 - July 1, 1961
Cronquist & Noel Holmgren
Same place as 9395, Flowers
white, with purple lines
and a yellow center.

Viola canadensis L.

Viola canadensis (B) ✓

Vila canadensis (13)

9397 - July 1, 1961 - July 1, 1961
Crampton & Neal Holmgren.
Open dark slope in spruce-fir
zone, overlooking the head of
North Creek, above North Creek
Pass; Abajo Mts. 9 miles west
of Monticello, San Juan Co.,
Utah. Twp. 34 S., R. 22 E., about
T. 2. Elevation 12,000 feet
Heads yellow; ray about 13

Helianthella quinquenervis
(Hook.) Gray

Helianthella quinquenervis (2)

9398 - July 1, 1961 Conquist & Noel Holmgren. Same place as 9397. Heads yellow, with 7-13 rays.

Senecio neomexicanus Gray

Lemoine (12)

9399 - July 1, 1961. Crosquist & Neal Holmgren. Same place as 9397. Flowers pink-purple.

Vicia americana Muhl.

Vicia (11)

[illegible] - July 1, 1961. Crosquist & Noel Holmgren. Same place [illegible] 119395. Sepals and petals white, the petals trifid.

~~Mitella stenopetala Piper~~

Mitella stauropetala Piper var. stenopetala (Piper) Rosendahl

Mitella ✓ P. [illegible]

Mitella + (P)

9401 July 1, 1961 - Open, gravelly southwest slope in aspen grove half a mile northwest of North Creek Pass; 2 miles, 10 miles west of Monticello, San Juan Co, Utah. Twp. 34 S R. 22 E., about S. 2. Elev. 10,200 feet. Flowers blue. The dwarf extreme.

Polemonium foliosissimum
Gray

Polemonium (I)

9402 - July 1, 192[illegible] Cronquist
+ Noel Holmgren. Seepage areas
[illegible] stream, along
Indian Creek; Abajo Mts.,
13 miles west of Monticello,
San Juan Co., Utah. Twp. 34 S.,
R. 22 E. Elevation 9100 feet.
F. [illegible] white.

Cardamine infausta Greene

Cardamine [illegible] (19) ✓

Cardamine integra (18) ✓
9403 - July 1 1961 - Crampton
& Noel Harrington - Shady
place along Indian Creek;
Abajo Mts., 13 miles west of
Monticello, San Juan Co. Utah.
Twp. 34 S., R. 22 E. Elevation
9100 feet. Petals white or
nearly so, with purplish lines.

Geranium richardsonii Fisch.
& Trautv.

Geranium (3) ✓

7404 - July 1, 1961. Cronquist & Noel Holmgren. Open spruce woods along Indian Creek; Abajo Mts., 13 miles west of Monticello, San Juan Co., Utah. T. 30 S., R. 23 E. Elevation 9100 feet. Corolla very dark red-purple, appearing almost blackish purple without hand, the reddish color more evident by bright, transmitted light.

Penstemon whippleanus Gray

Penstemon (14)

A. H. Holm

7425 - July 1, 1961 - Open gravelly slopes on Jackson Ridge, at summit between Indian Creek and Johnson Creek; Abajo Mts. 14 miles west of Monticello, San Juan Co. Utah Twp. 34S, R. 23E. Elevation 7700 feet. Flowers blue.

Penstemon strictus Benth.

Penstemon

(6)

9406. July 1, 1961 Cronquist + Noel Holmgren – Open, gravelly south slope, between aspen groves, on the side of Jackson Ridge, above Indian Creek; Abajo Mts. 14 miles west of Monticello, San Juan Co., Utah. Twp. 34 S., R. 22 E. Elevation 9600 feet. Flowers dull whitish.

Phacelia heterophylla Pursh

Phacelia heterophylla (19)

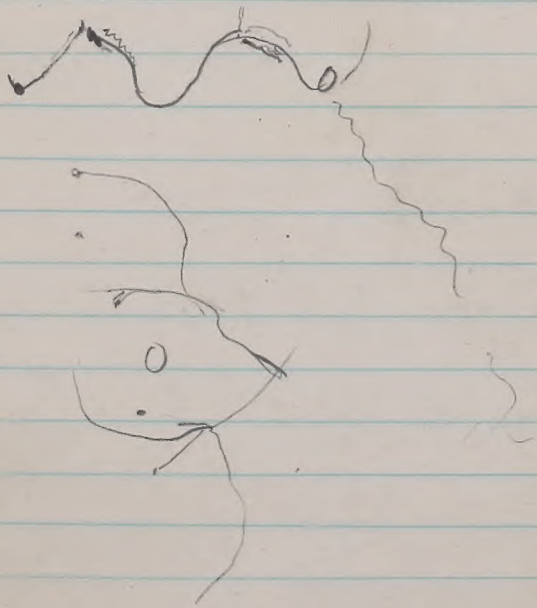
9407 - July 1, 1961 Cronquist & Noel Holmgren - Partly shaded places along North Creek; Abajo Mts. 8 miles west of Monticello, San Juan Co., Utah. Twp. 33 or 34 S., R. 22 E. Elevation 9600 feet. Flowers dull whitish.

Hydrophyllum fendleri (Gray) Heller

var. fendleri

4699

Hydrophyllum fendleri

18

S.16 - Clover. $\frac{1b}{21}$